

**MICROORGANISMS AND ASSAYS FOR
THE IDENTIFICATION OF ANTIBIOTICS**

Abstract of the Disclosure

5 The present invention features methods for the identification of
compounds and compositions useful as antibiotics and antibacterial agents. In
particular, the invention features methods for the identification of modulators of a
previously unidentified target protein, termed CoaX. High-throughput assay systems are
featured as well as assay kits for the identification of CoaX modulators. Also featured
10 are *coaX* nucleic acid molecules and purified CoaX proteins, as well as recombinant
vectors and microorganisms including the gene, *coaX*.